

Title (en)

Method and apparatus for enhancing the contrast of a medical diagnostic image that includes foreign objects

Title (de)

Verfahren und Vorrichtung zur Kontrastverbesserung von medizinischen, diagnostischen Bildern mit Fremdkörpern

Title (fr)

Appareil et procédé pour l'amélioration du contraste dans des images médicales représentant des corps étrangers

Publication

EP 1324266 A2 20030702 (EN)

Application

EP 02258045 A 20021121

Priority

US 99064301 A 20011121

Abstract (en)

An x-ray system (100) is provided utilizing an x-ray source (102) and a detector to create x-ray data in a region of interest. The x-ray data comprises anatomic data, from the anatomy of a patient (104), and non-anatomic data, from a structure foreign to the patient (104). The anatomic and non-anatomic data may have non-overlapping grayscale distribution. A reject level (210) is identified along the grayscale distribution. A processor module selects a minimum value for a transfer function (212) based on the reject level (210) and automatically calculates the transfer function (212) to convert the x-ray data to display values. An x-ray image is then displayed based on the display values.

IPC 1-7

G06T 5/40

IPC 8 full level

A61B 6/00 (2006.01); **G06T 5/40** (2006.01)

CPC (source: EP KR US)

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